PHENIX
WEEKLY PLANNING

May 21, 2015

C. Biggs

This Week

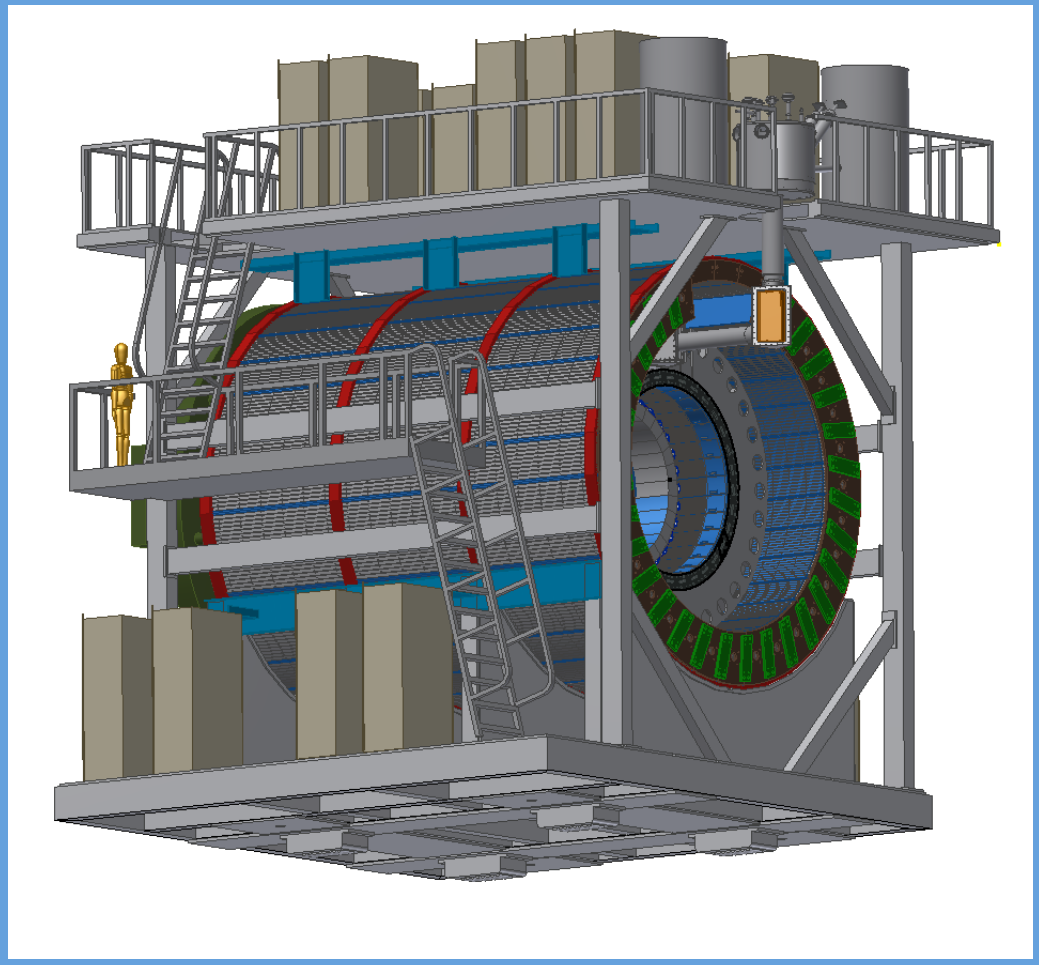
1. Three repaired HP power supplies available
2. Began gas set up for Mickey's R&D job
3. Work Planning safety walk-thru
4. Support Run 15
5. Support s-PHENIX

Next Week

Continue to support Run 15

Continue to support S-PHENIX

sPHENIX Detector Updates



Current s-PHENIX Status & News

- Installation Cost and Schedule Review Review last week
  - Identified several tasks that appear in Installation and detector subsystems
  - Identified gaps that were unaccounted for in installation or detector subssytems
  - Adjusted some costs and schedule times for tasks based on current design approaches
- Master Project Schedule Scrubbing continues
  - Magnet, Tracker still needed
- Magnet Oversight committee met last week to evaluate progress towards low field and full field tests
- Magnet Cryo/Mechanical/Electrical Safety review tomorrow
- Calorimeter Workfest at GSU (Atlanta) this week

s-PHENIX Project Major Milestones: R&D

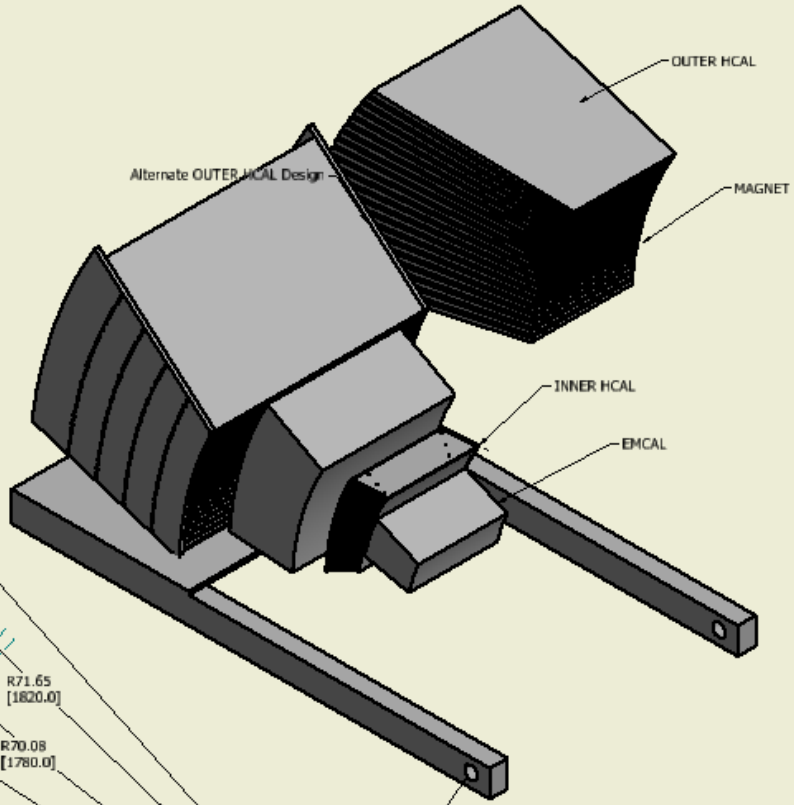
- CD0 - September 2015
- HCal Preliminary R&D
- EMCal Preliminary R&D
- Calorimeter Prototype Beam Test (1) - April 2016
- Calorimeter full scale Engineering Prototypes
- Calorimeter Wooden Bird Prototypes
- V2 Calorimeter Prototype Test
- Preproduction Calorimeter Prototype Tests
- Tracker Preliminary R&D complete
- Tracker Prototype(s) v1 test
- Tracker Prototype(s) v2 test
- Preproduction Tracker Prototype(s) test

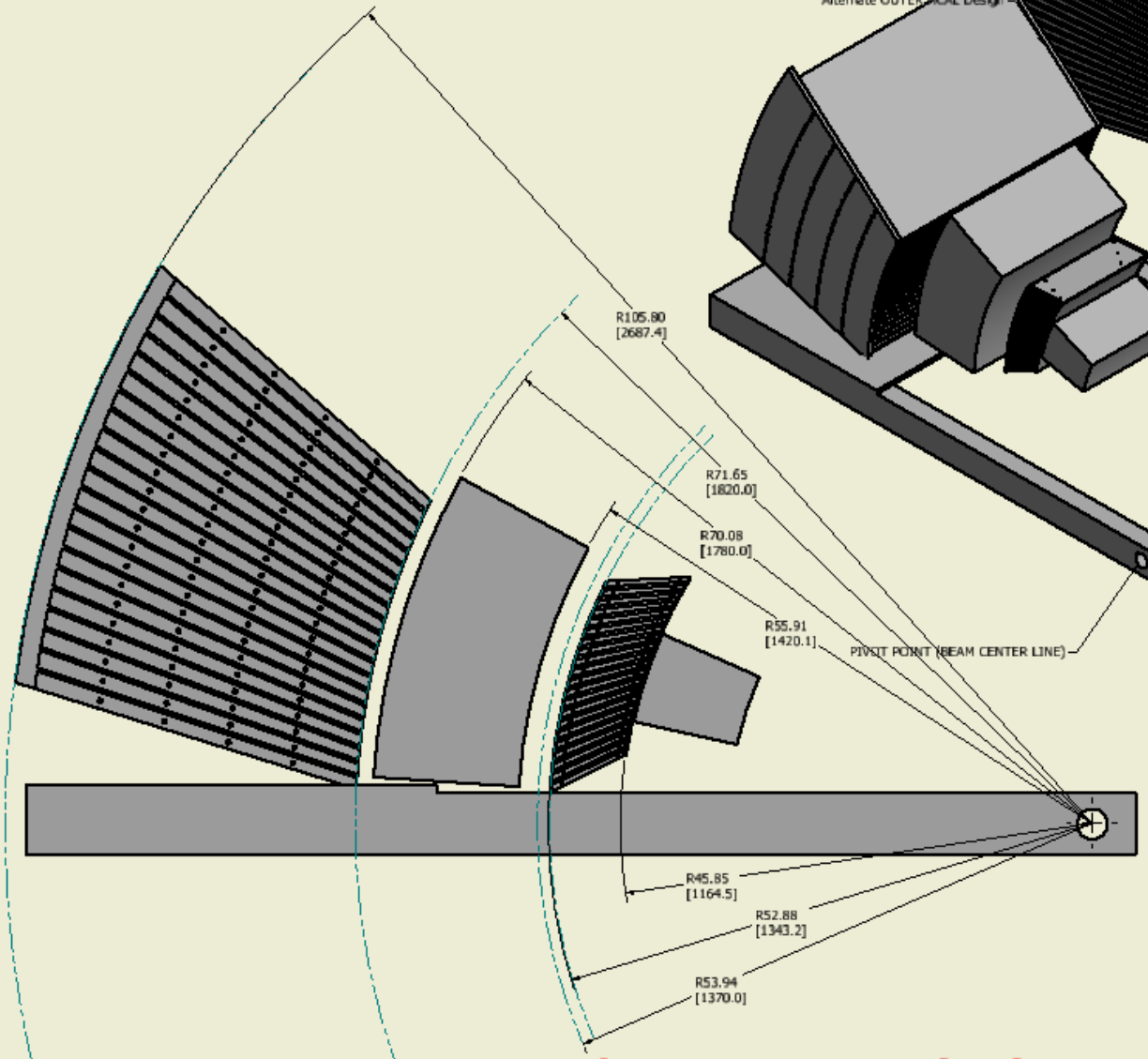
sPHENIX Project Major Milestones: Production

- CD0 - September 2015
- Calorimeter Prototype Beam Test - April 2016
- Begin Decommissioning - July 2016
- Complete commissioing -
- Start Infrastructure Procurement - October 2016
- Start Detector Procurement
  - Outer HCal -
  - Inner HCal -
  - EMCal -
  - Tracker -
- Start Detector/ Magnet Installation
  - Base -
  - Outer Hcal -
  - Inner HCal -
  - EMCal -
  - Tracker -
- Start Magnet Mapping -
- Detector Commissioning Complete, Ready for 1st Run -

OUTER HCAL WEIGHT (Steal Only) = 13,430lbs
INNER HCAL WEIGHT (Steal Only) = 600lbs

OUTER HCAL Alternate Design weight = 7,650 lbs





OUTER HCAL IS 3X4 TOWERS
INNERHCAL IS 3X4 TOWERS

EMCAL NOT SPECIFIED YET

NEED TO WORK ON 2D PROJECTED

SPHENIX PERFORMANCE PROTOTYPE LAYOUT

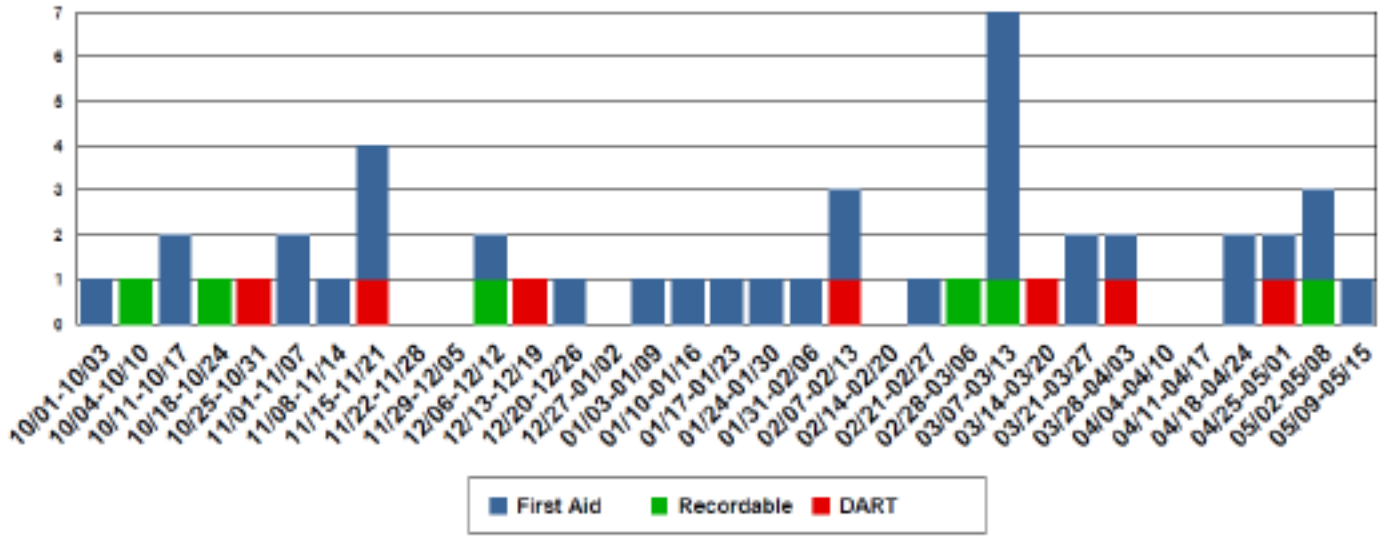
2015 SHUTDOWN SHEDULE

JUNE 22ND	END OF RUN
June 23rd	Roll out Shield Wall
June 24 - 29	Remove Shield Wall
June 26th	End of Run Party (?)
June 30 – July 2	Disconnect & roll out East Carriage
July 6 – 8	Setup up IR for shut down work
July 9th	Erect Scaffold between south and central magnets
July 10 – 14	Pixel Testing on VTX (Chuck, Eric)
July 10th	Set up MPC-ex “sled”
July 14 – 16	Remove MPC-ex south, MPC South Crystals
July 16 – 20	De-Cable & remove East VTX/FVTX, move to 510
July 17 – Aug 7	Repairs and upgrades to MPC-ex and MPC south in 510
July 21 – Sept 21	Repairs to East VTX/FVTX in 510
Aug 10 – 21	Replace & Troubleshoot MPC and MPC-ex South
Aug 24 – 26	Remove South scaffold and move CM south

2015 SHUTDOWN SCHEDULE (cont.)

Aug 27th	Erect Scaffold between CM and North magnet
Aug 28th	Install MPC-ex “sled” in north
Aug 31 – Sept 2	Remove MPC-ex North & MPC North crystals
Sept 3 – 24	Repairs and upgrades to MPC-ex and MPC North in 510
Sept 22 -25	Re-install and re-cable VTX/FVTX East
Sept 24 – Oct 8	Replace & Troubleshoot MPC and MPC-ex North
Sept 28 – Oct 23	Troubleshoot VTX/FVTX Systems
November ?	DC Wire Repairs

Injuries Per Week (FY)
As of 5/15/2015



Injury Status:

FY15 YTD: DART – 7, TRC – 13, First Aid – 34
FY14: DART – 17, TRC – 33, First Aid – 38
FY13: DART – 18, TRC – 39, First Aid – 52

FY15 Injury Listing:
https://intranet.bnl.gov/esh/shsd/seg/OccInj/BNLInjuries.aspx

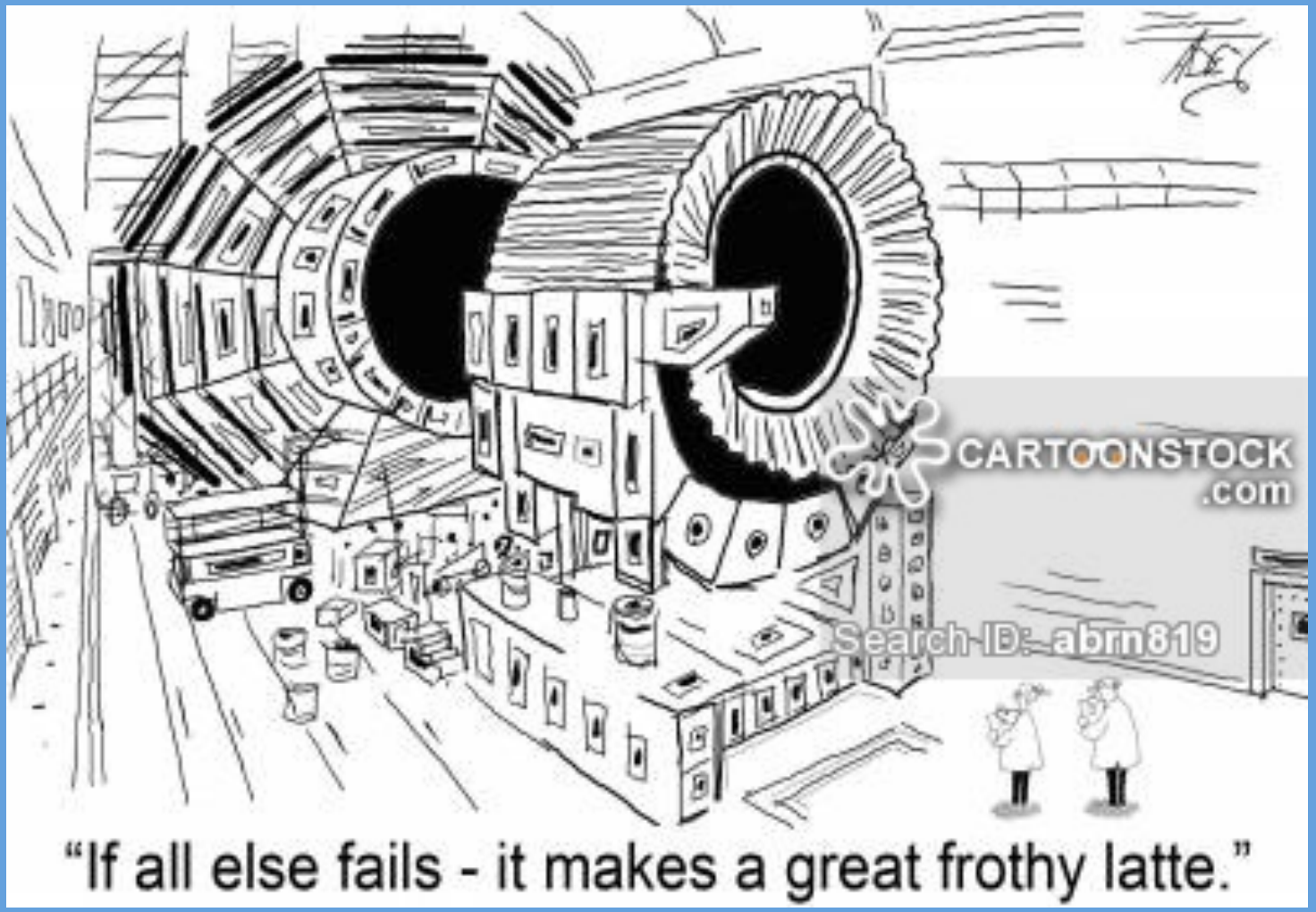
Recent Injuries		
5/13/15	First Aid	An employee experienced elbow pain when lifting a box onto a shelf. At the OMC, first aid was given and the employee returned to normal duties.
5/8/15	First Aid	An employee was bitten by an insect on his arm. At the OMC, first aid was given.
5/8/15	Recordable	An employee injured her back while stripping floors. On the morning after working overtime, she was transported to the ER, received medication, and reported to the OMC on 5/11/15. After evaluation, she was sent home sick.

Recent Events		
		None

From Gail Mattson, ALD for ES&H

- The recent tragic and sudden death of Silicon Valley executive David Goldberg has prompted many to consider the potential hazards of using a treadmill. While the specific causes or circumstances of this case are unknown, it appears that Mr. Goldberg fell and hit his head while working out on the treadmill, resulting in a traumatic brain injury and hypovolemic shock, an emergency condition in which severe blood and fluid loss make the heart unable to pump enough blood to the body.
-
- According to the Consumer Product Safety Commission, 24,400 treadmill-related injuries were reported in emergency rooms in 2014, an increase from 2013. In fact, injuries caused by exercise and exercise equipment are on the rise, having increased by almost 45% between 2007 and 2010 (National Electronic Injury Surveillance System).
-
- As you may know, we are fortunate to have our own gym on site that provides a number of different exercise machines and equipment, including treadmills. Many of you may even have your own machines at home (hopefully not collecting dust). With years of use or assumptions about our own abilities, it is easy to become complacent around these “everyday” machines. Given the potential for serious injury from belt-driven equipment, it is very important we review the potential hazards and our approach to using these machines.

Where To Find PHENIX Engineering Info



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm